

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY  
Luke P. Lee Filed 29-Mar-04  
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

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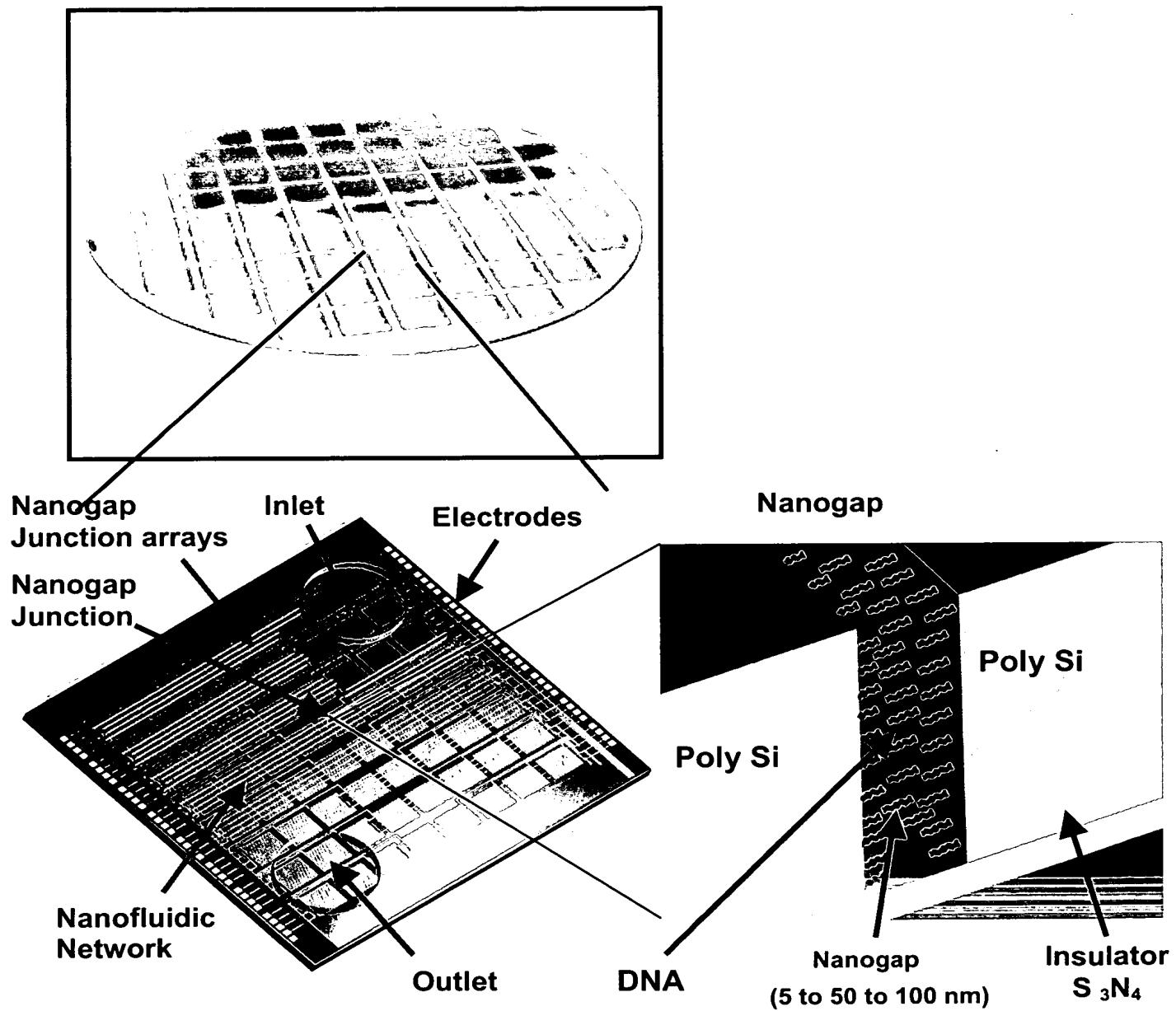
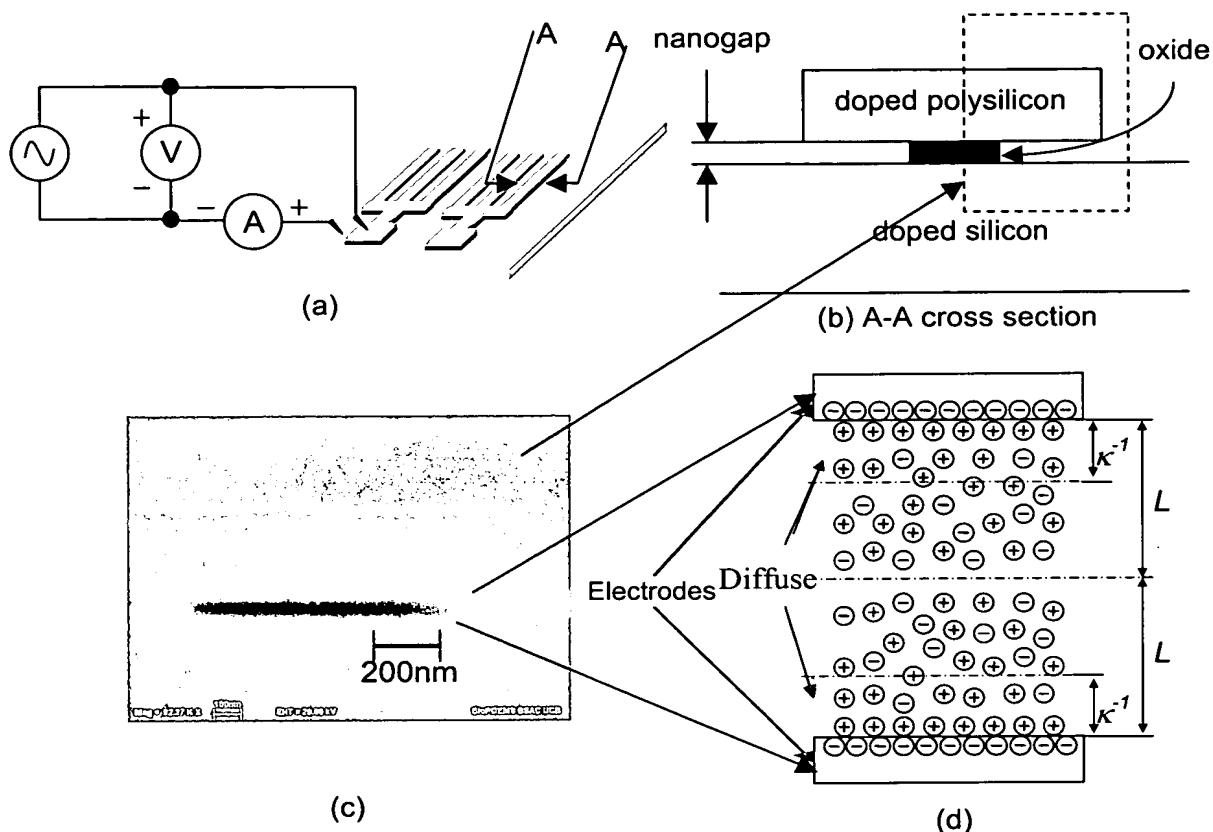


FIG. 1

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**FIG. 2**

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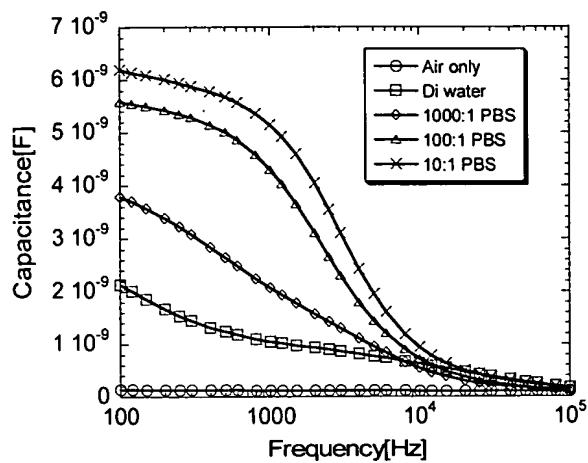


FIG. 4

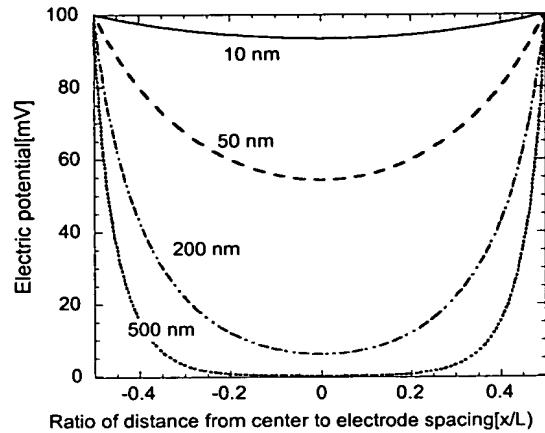


FIG. 3

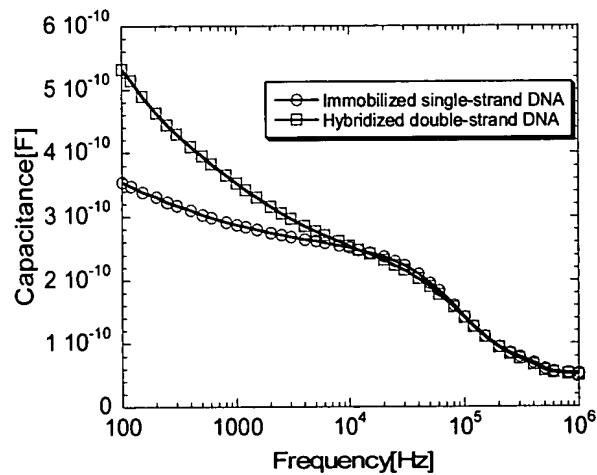


FIG. 6

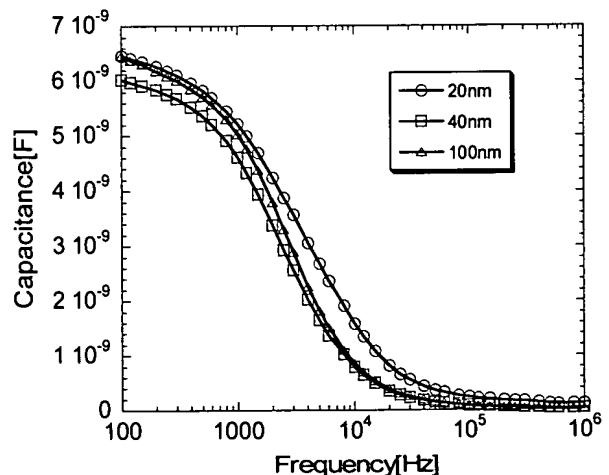


FIG. 5

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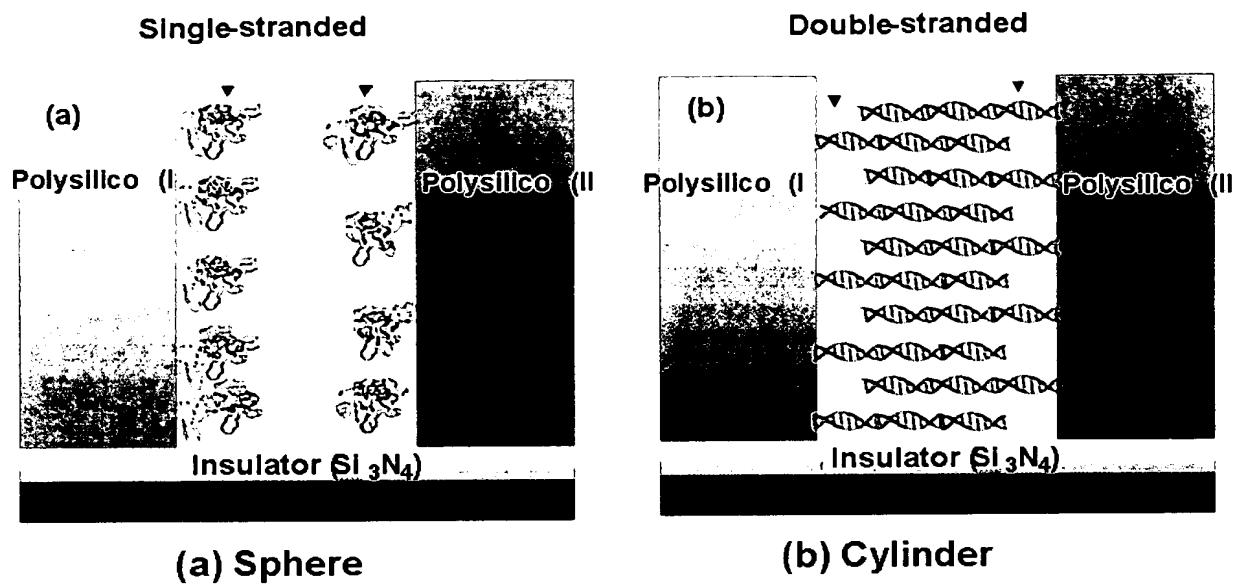


FIG. 7

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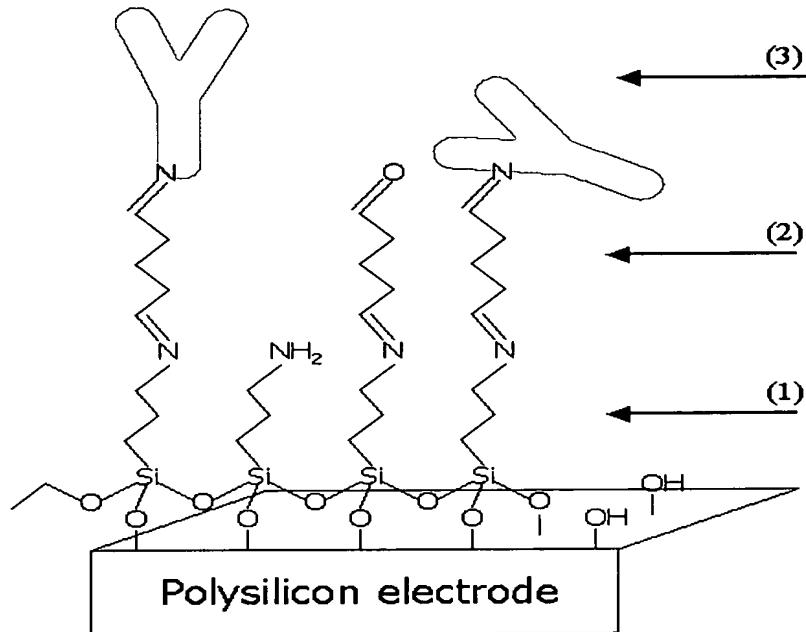


FIG. 8A

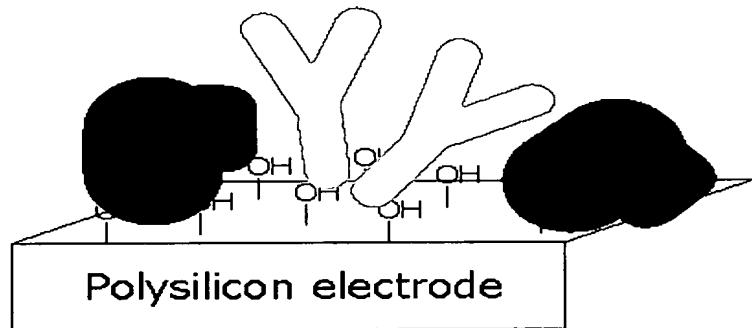
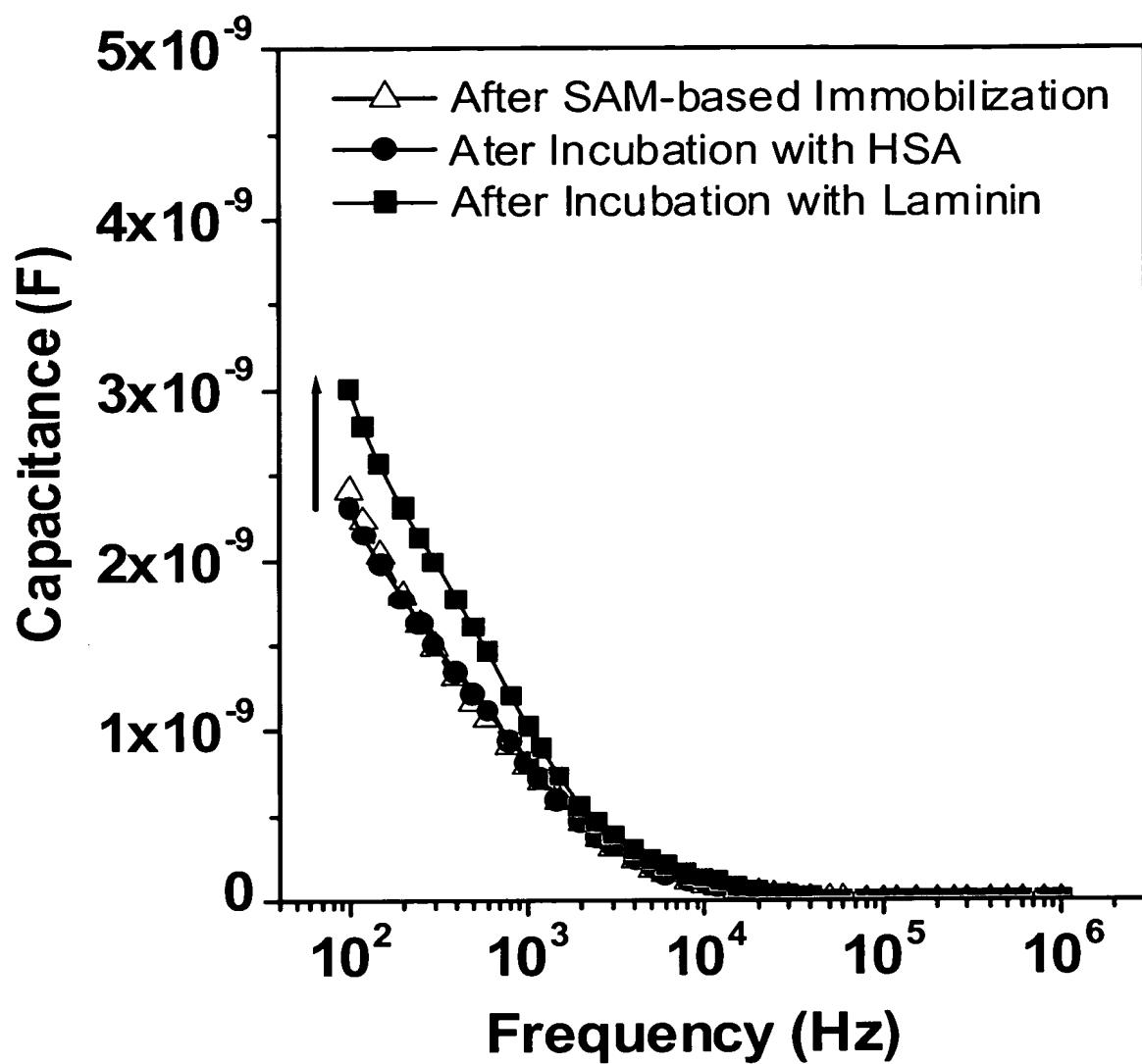


FIG. 8B

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**FIG. 9**

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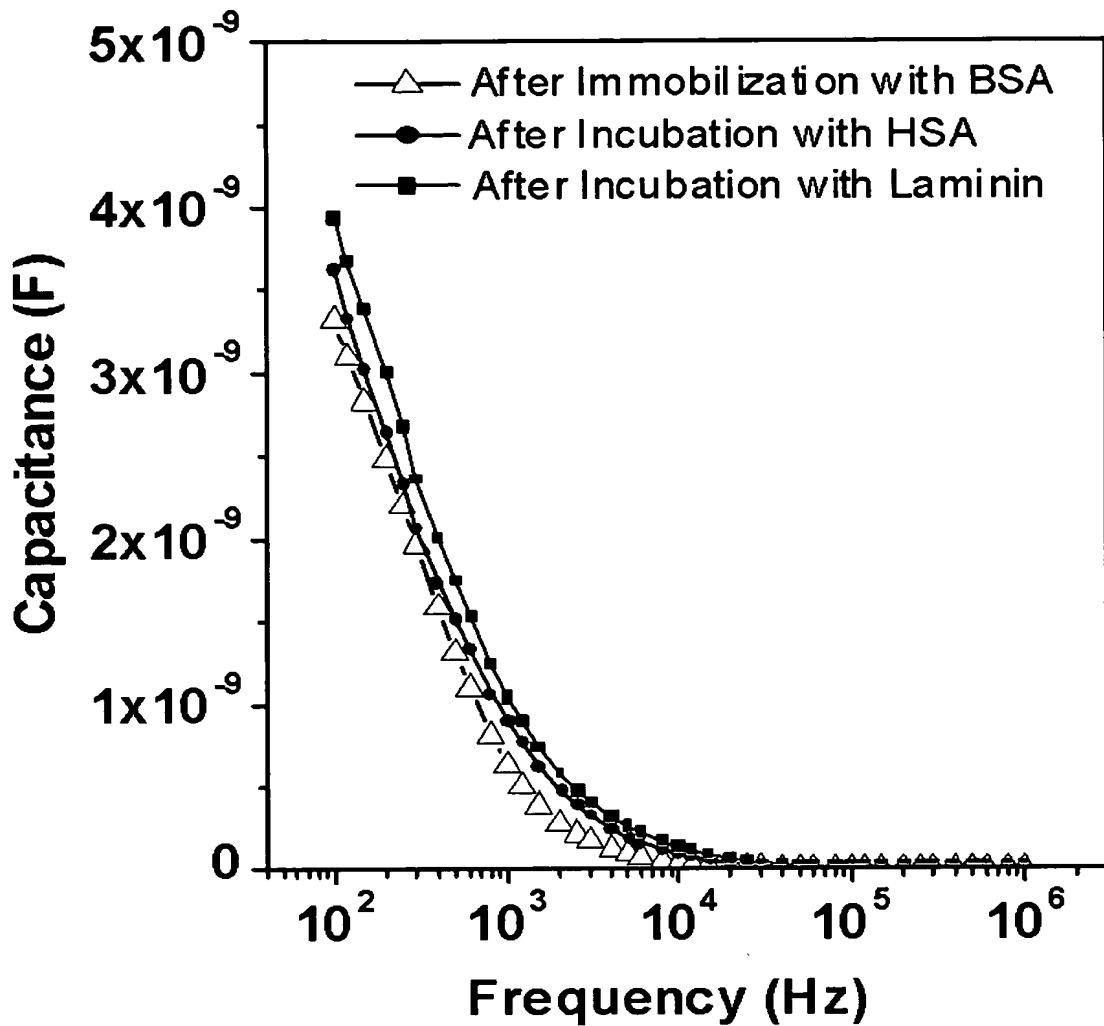


FIG. 10

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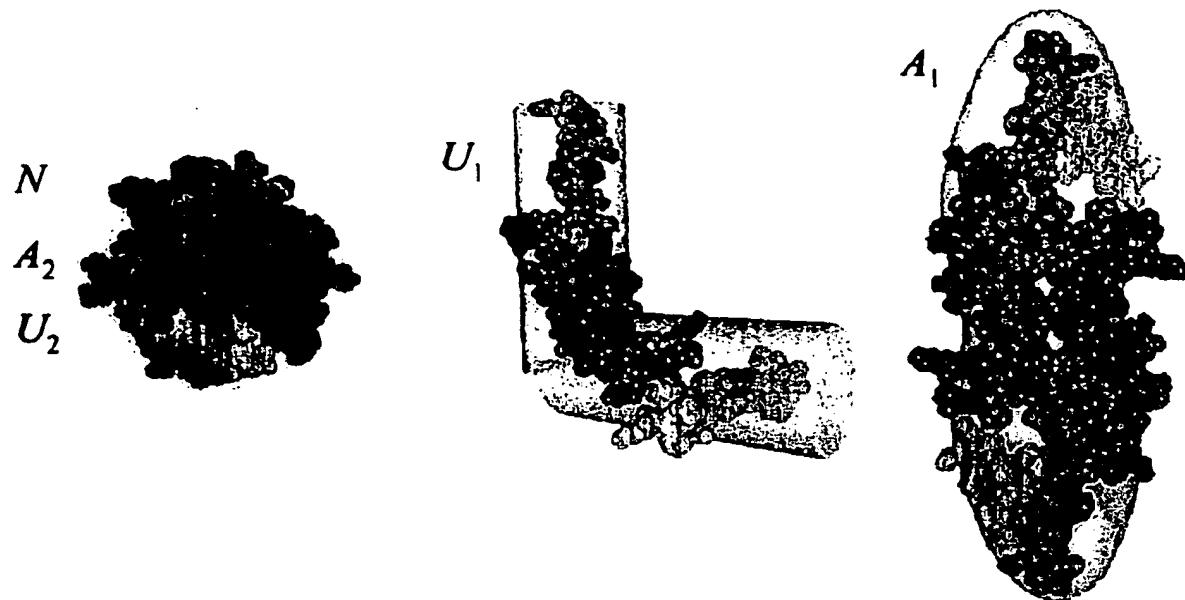


FIG. 11

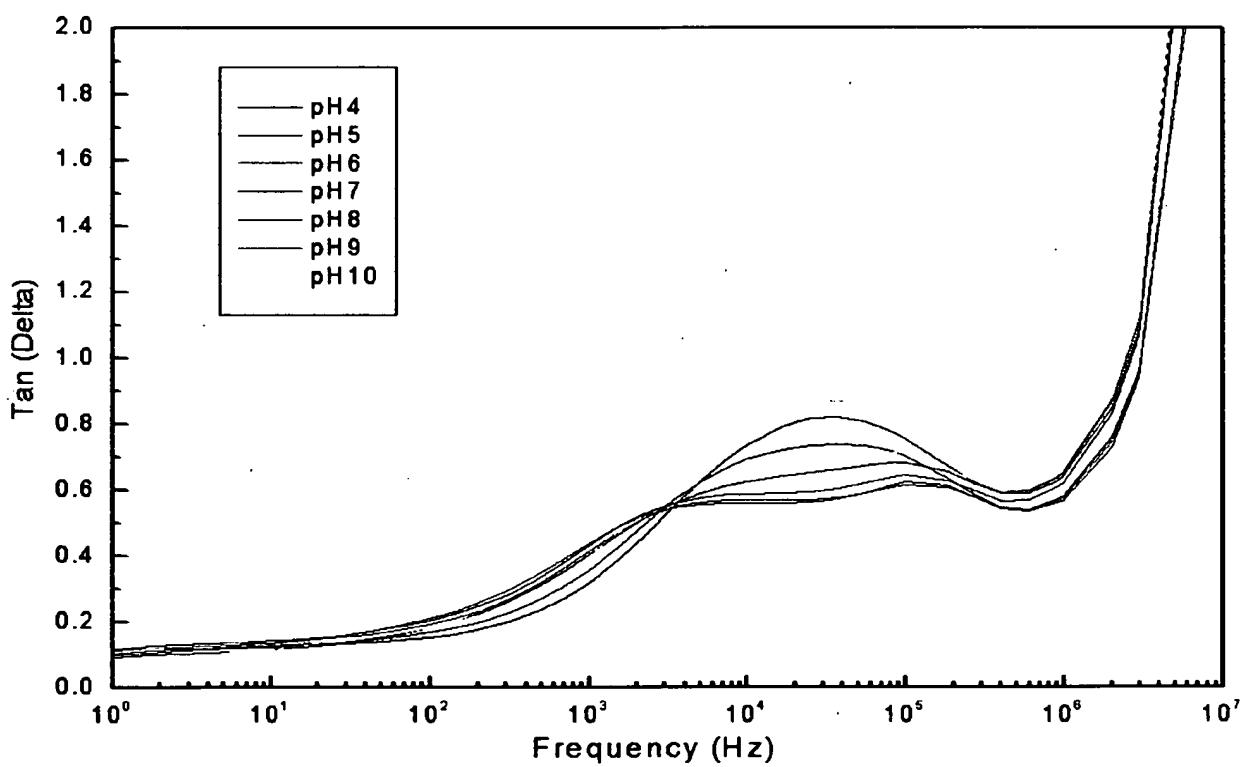
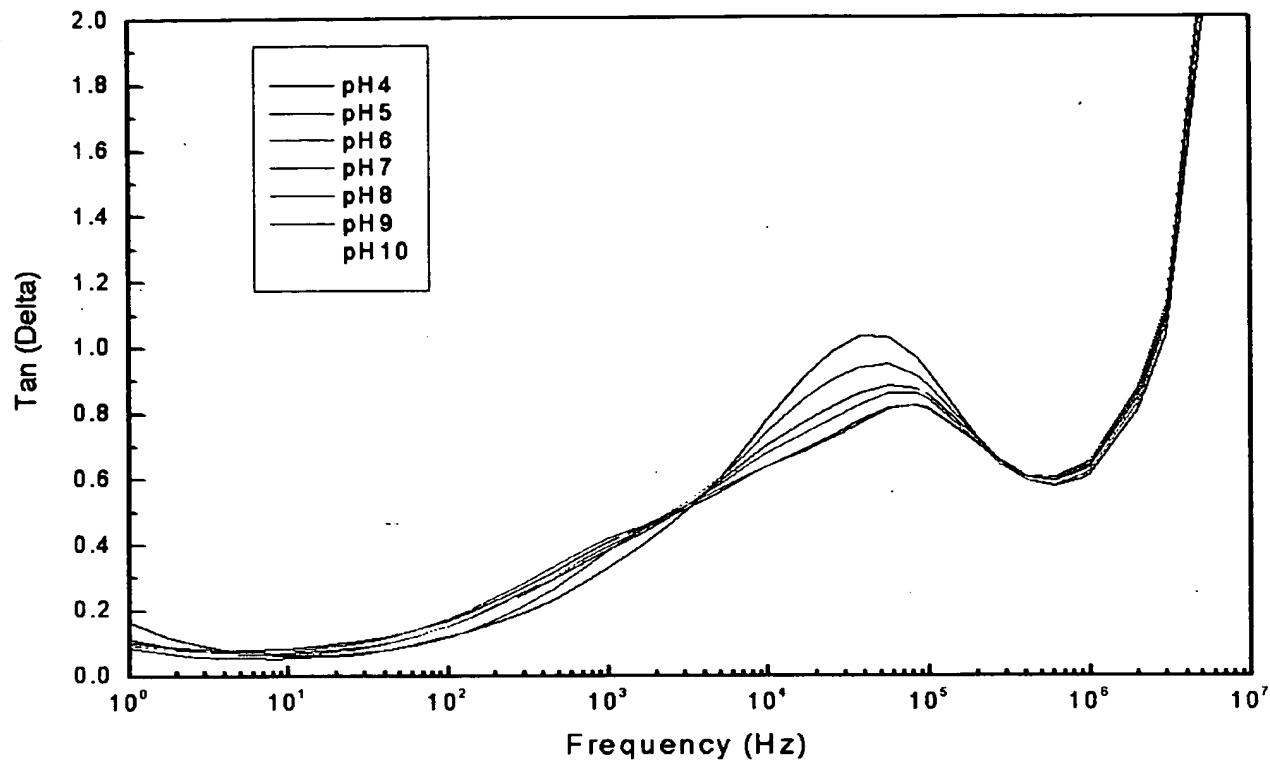
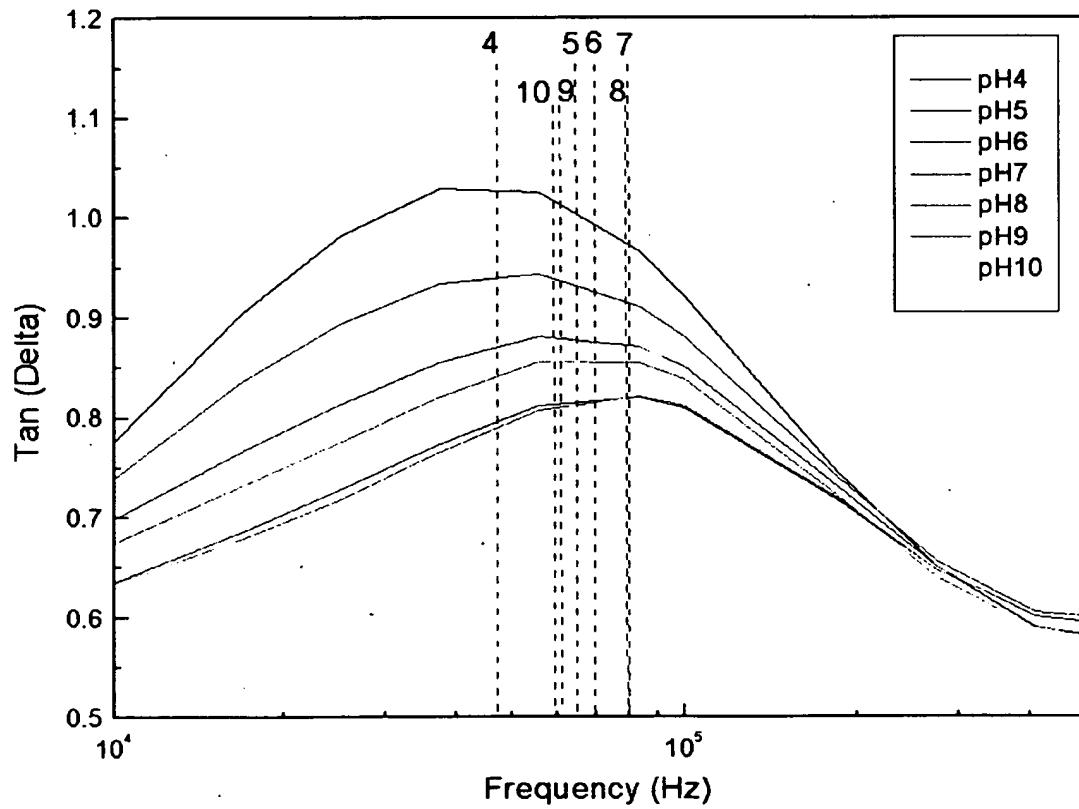


FIG. 12

**FIG. 13****FIG. 14**

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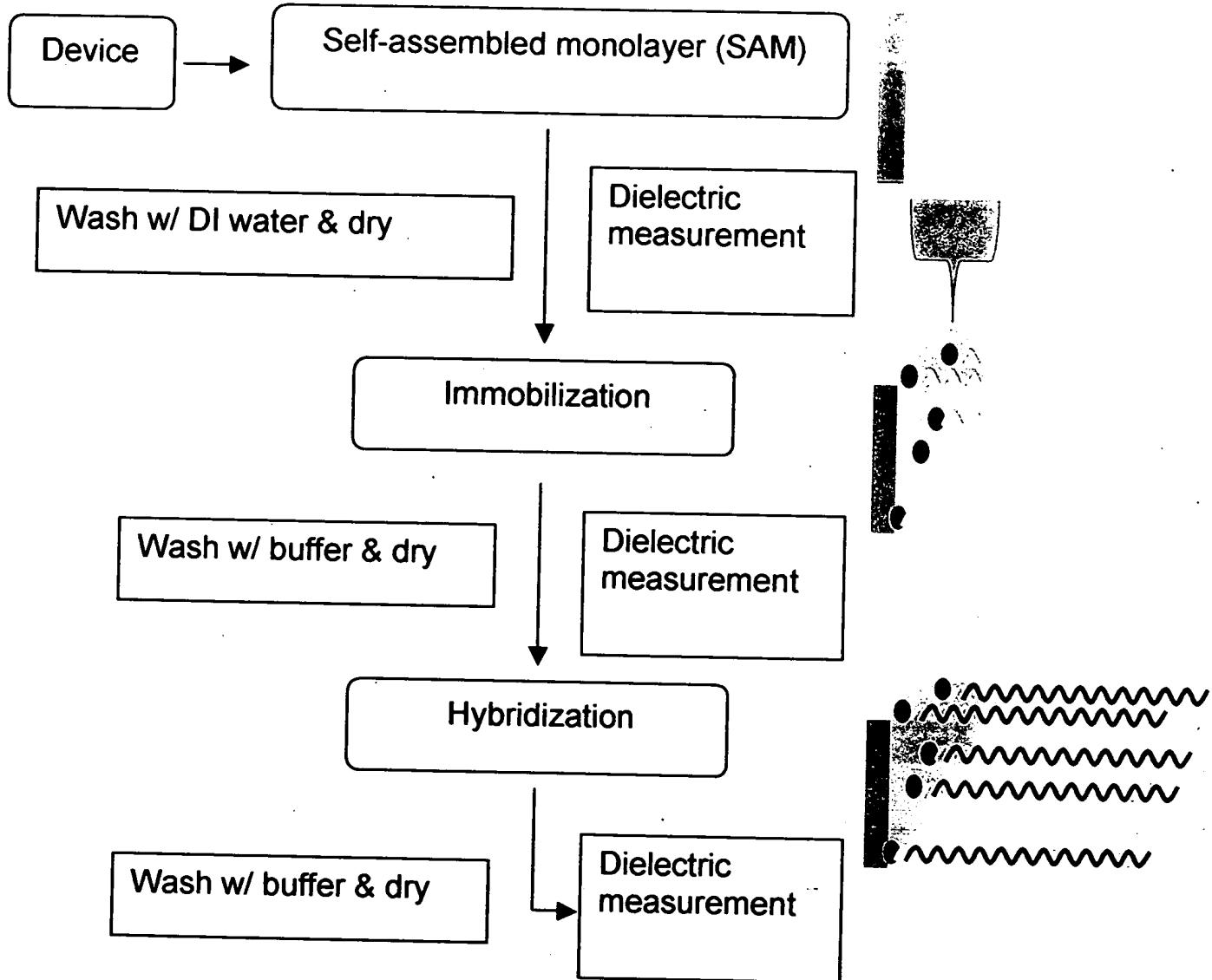


FIG. 15

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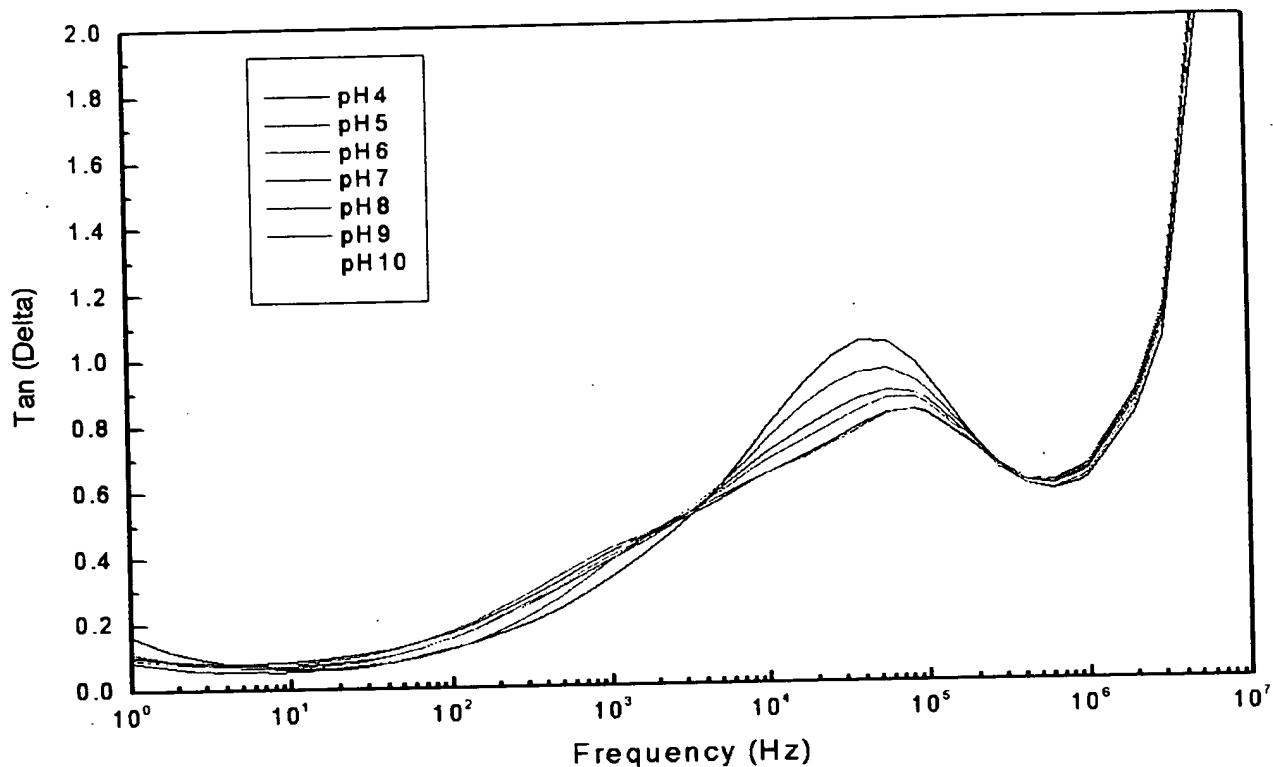


FIG. 13

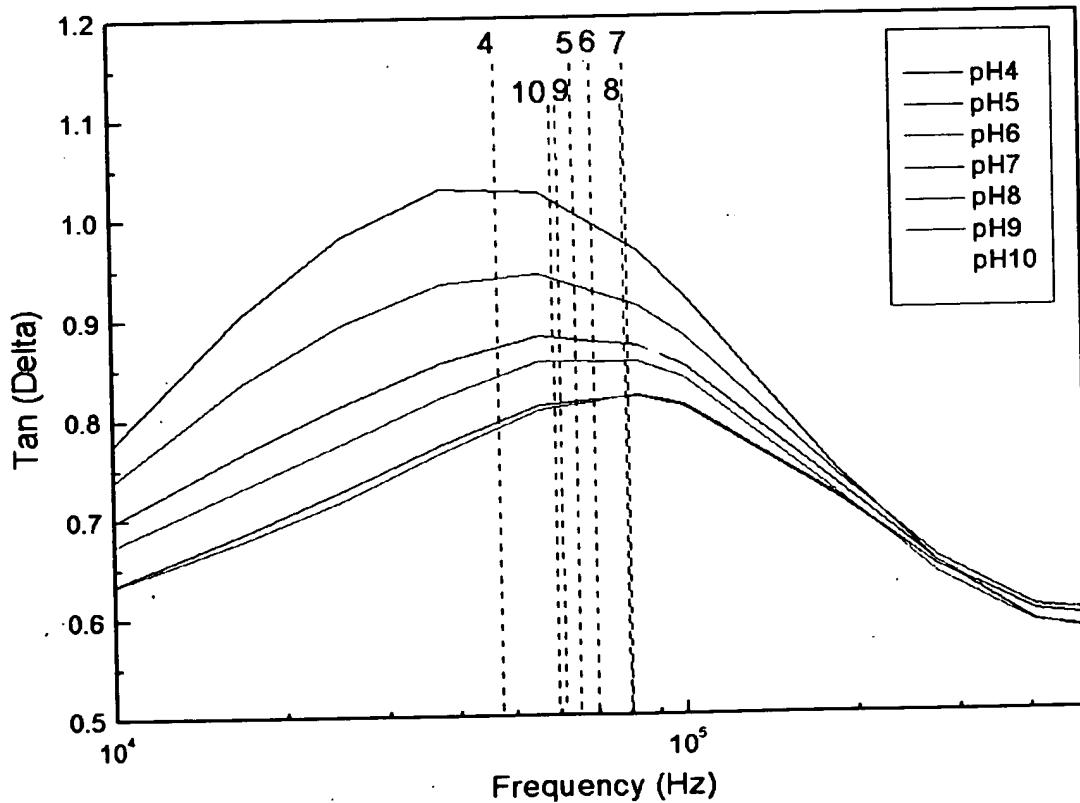
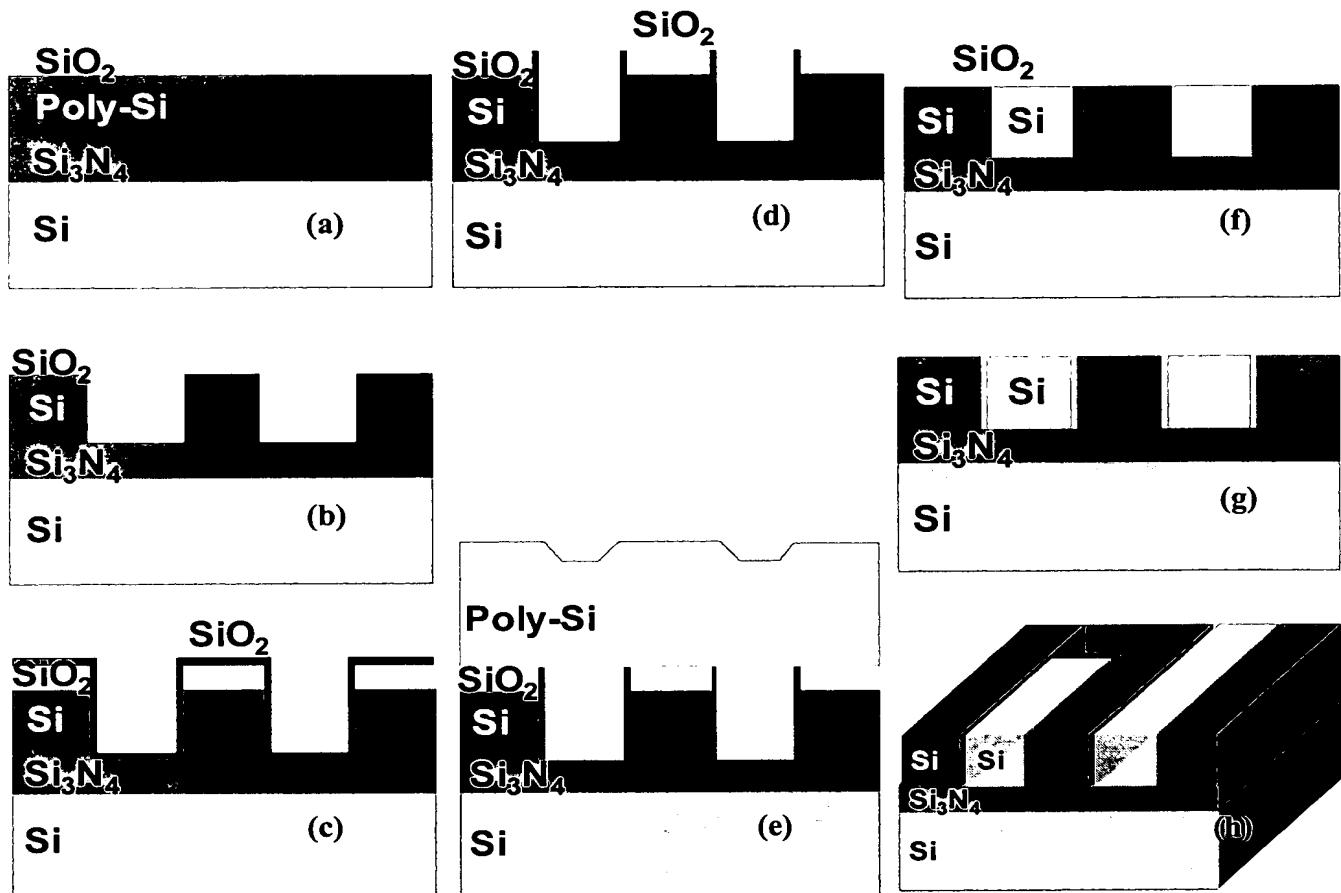


FIG. 14

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**FIG. 16**

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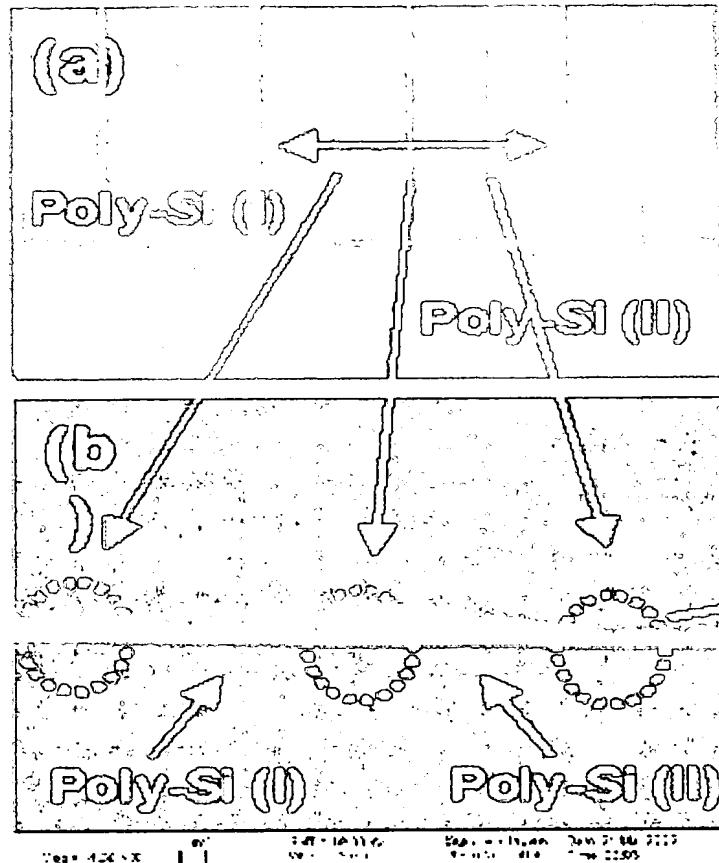


FIG. 17A

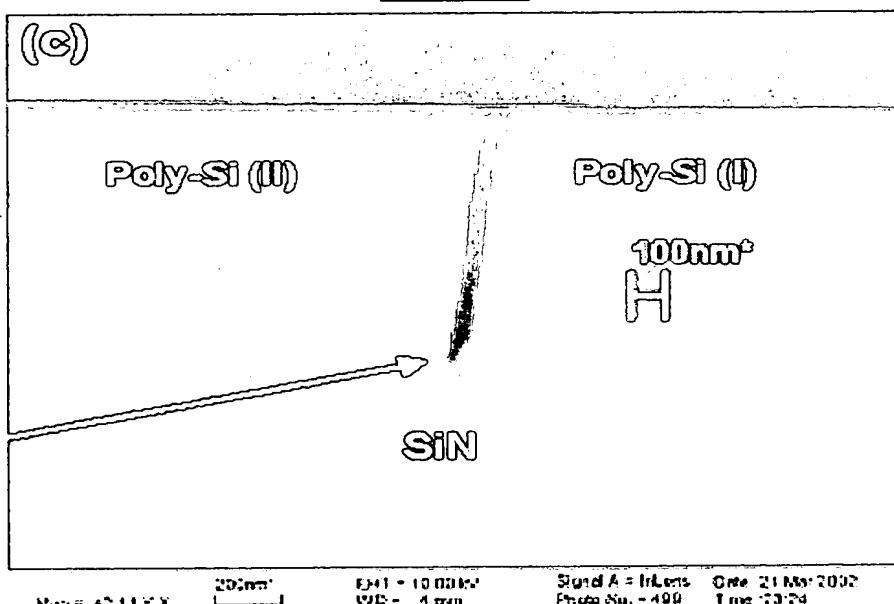
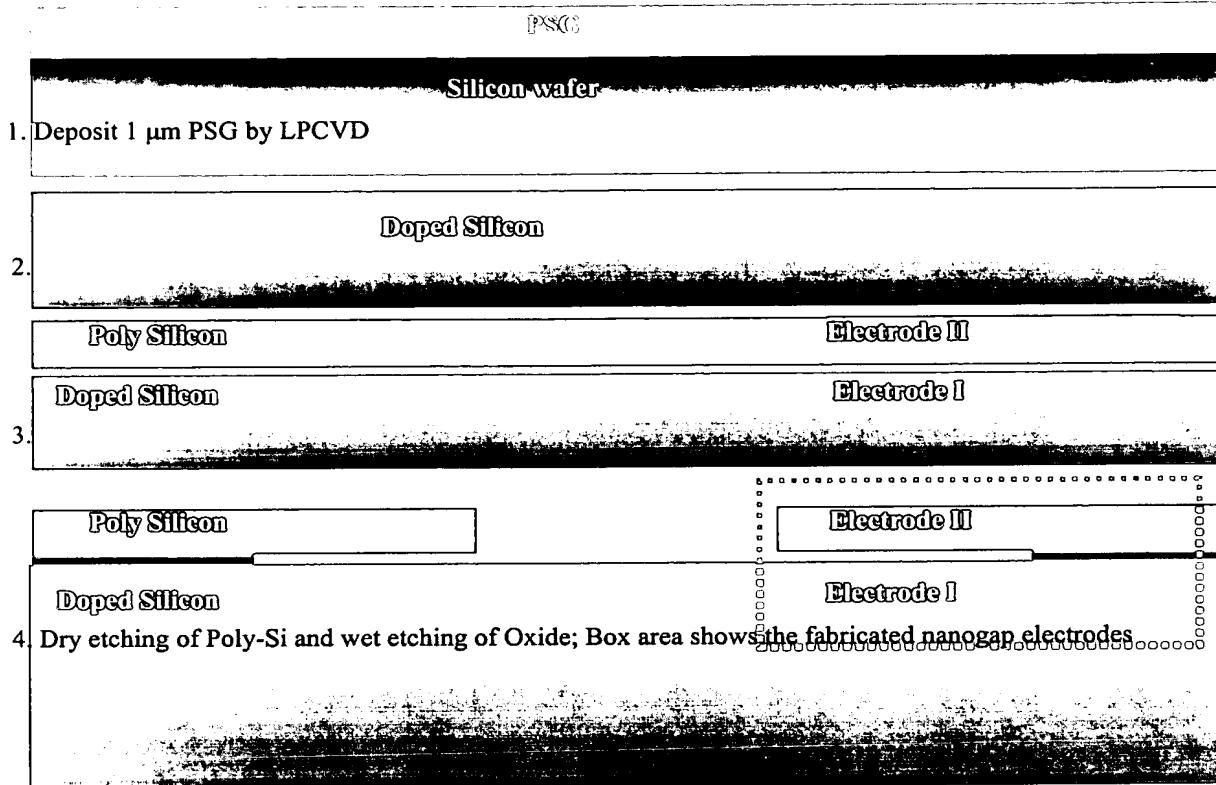


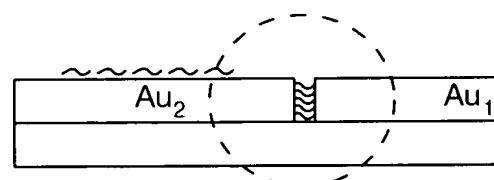
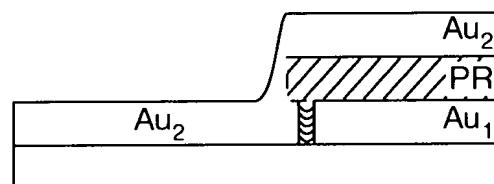
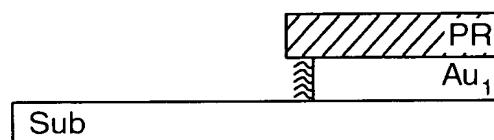
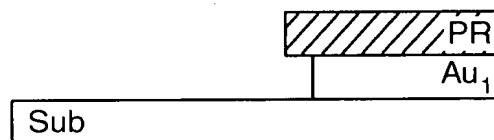
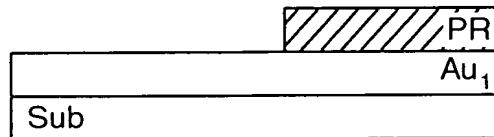
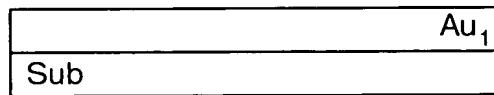
FIG. 17B

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**FIG. 18**

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**FIG. 19**

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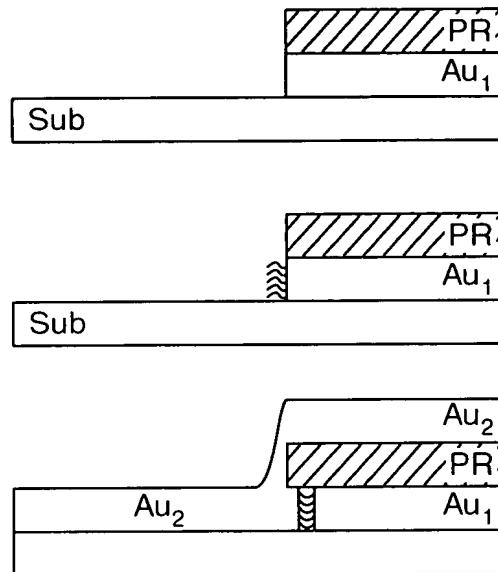


FIG. 20

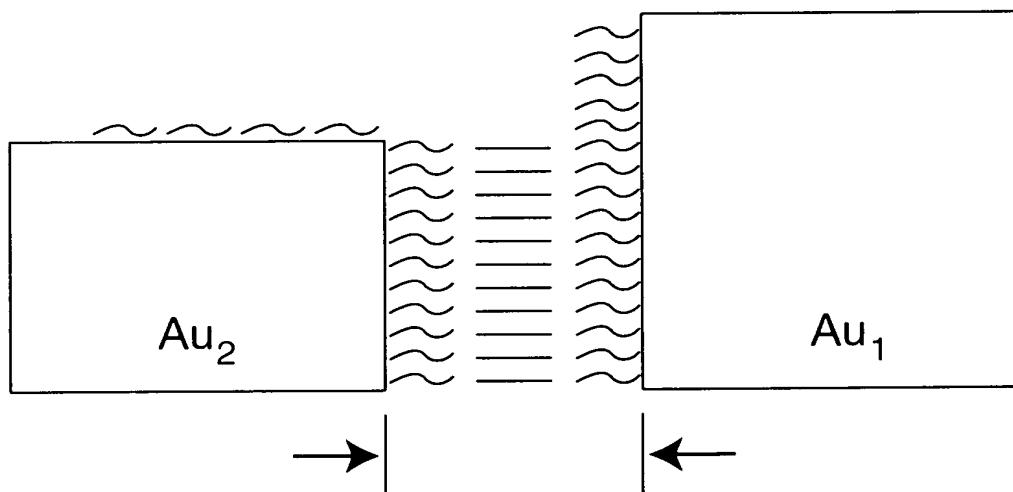
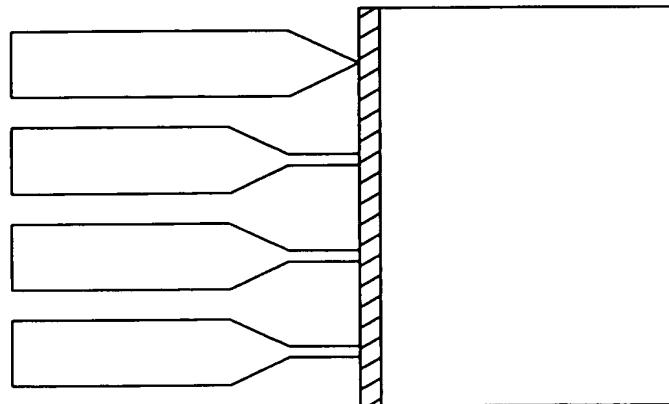
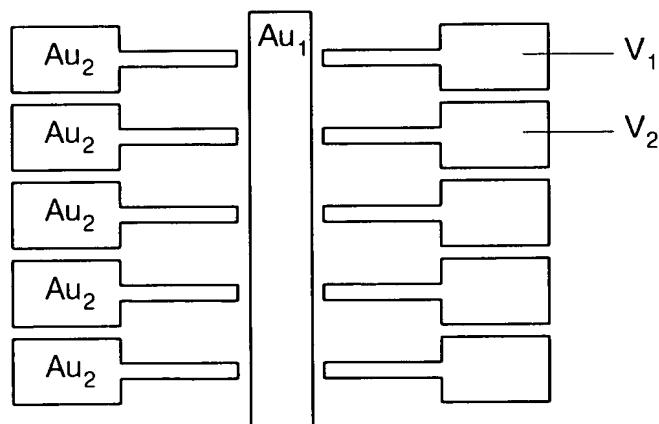


FIG. 21

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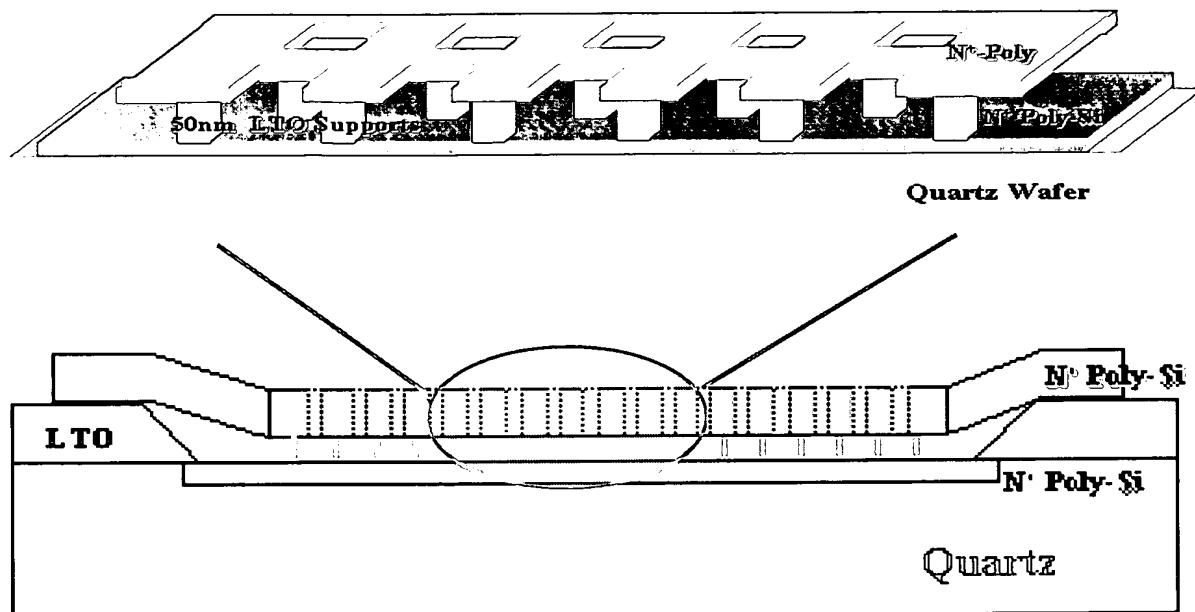


**FIG. 22**



**FIG. 23**

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## Fluorescent Microscope

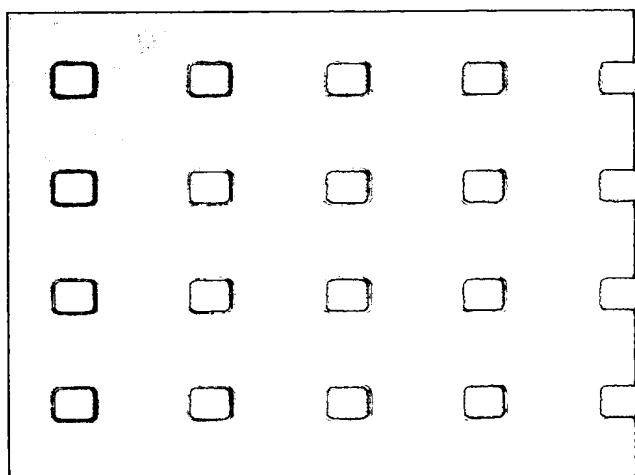


FIG. 24

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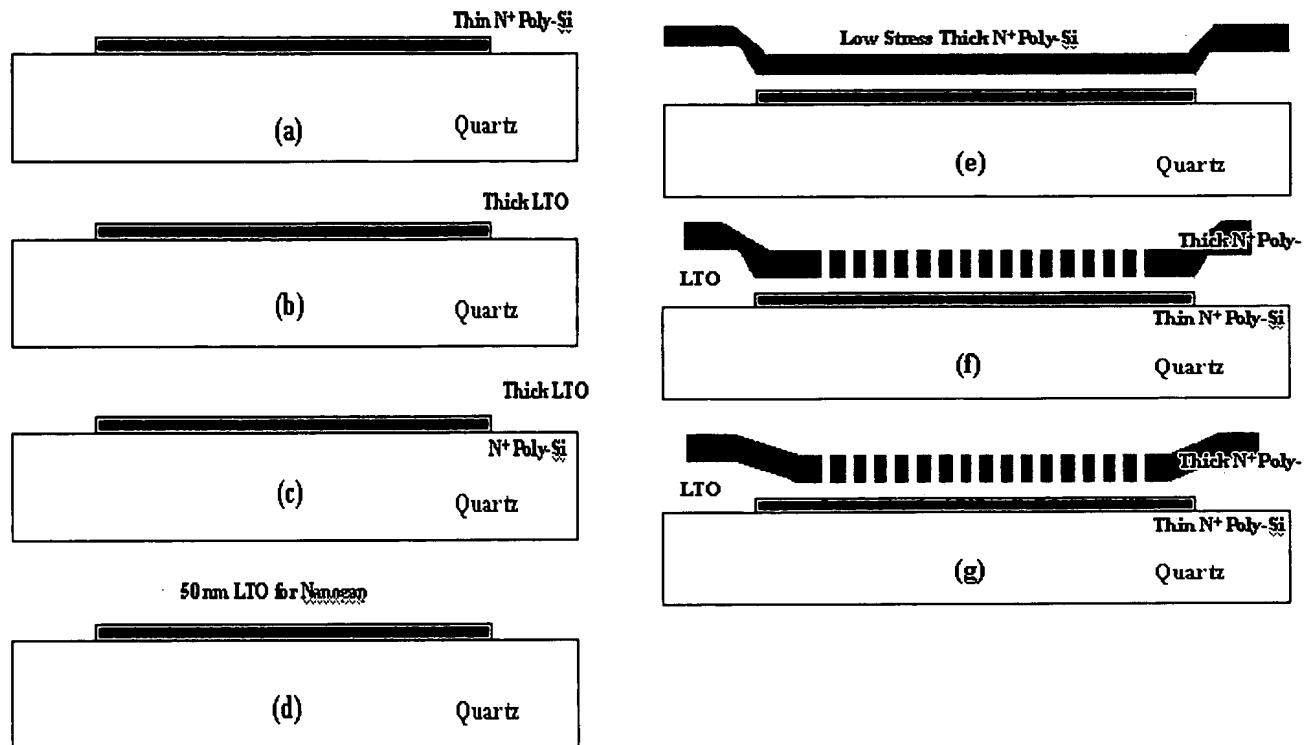
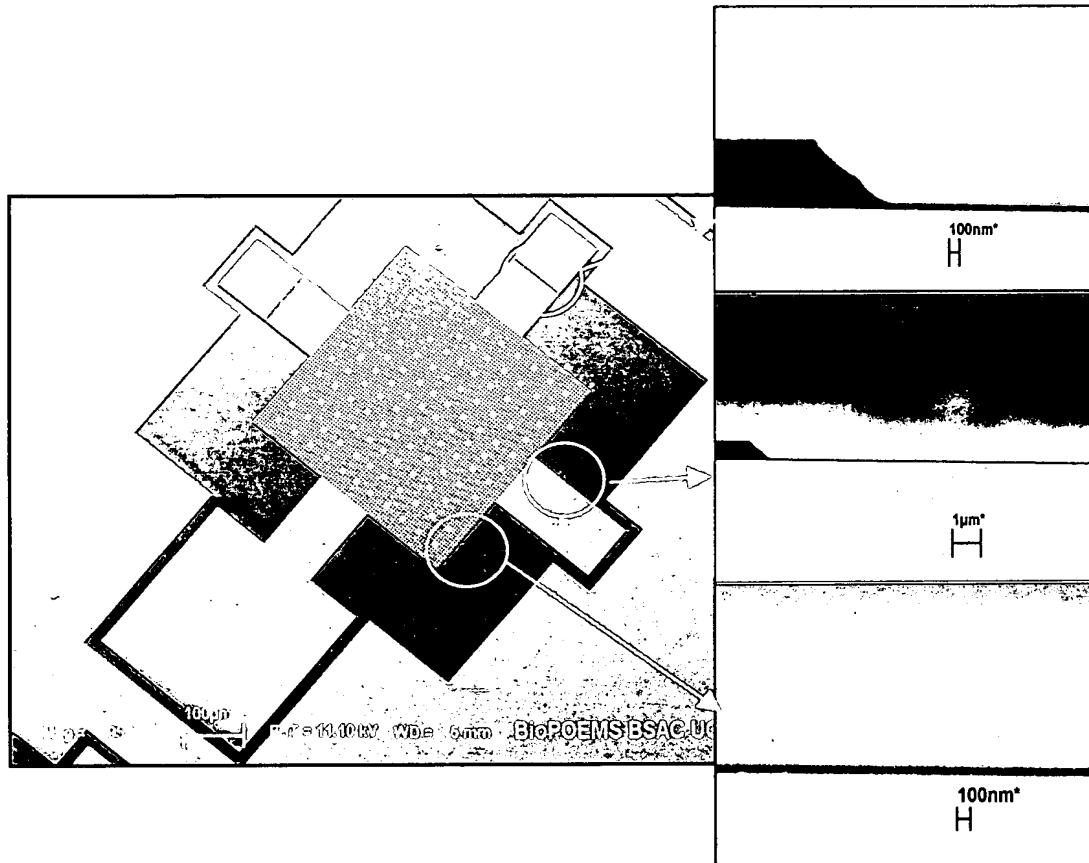


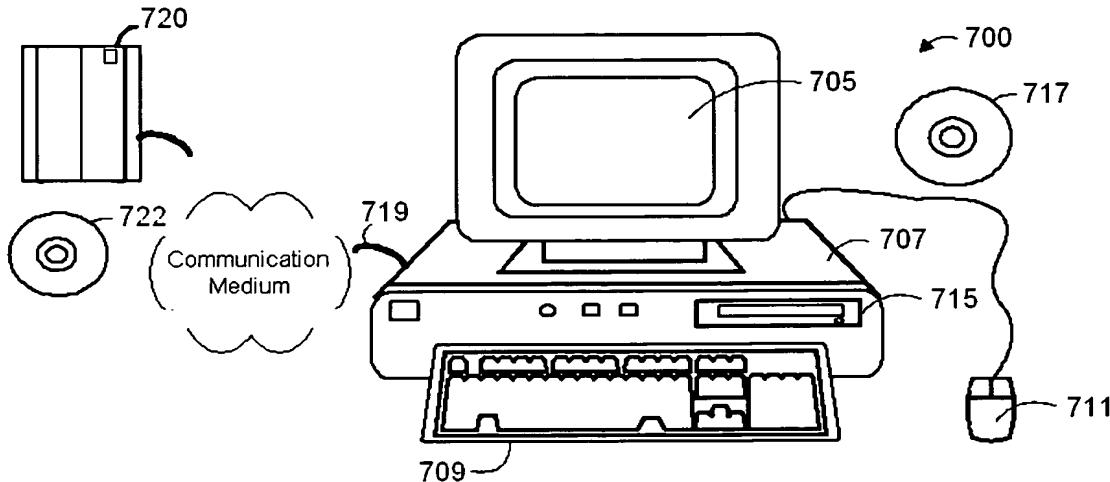
FIG. 25

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**FIG. 26**

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**FIG. 27**

<i>Disease Classification</i>	<i>Disease</i>
<u><b>Cardiovascular Disease</b></u>	Atherosclerosis; Unstable angina; Myocardial Infarction; Restenosis after angioplasty or other percutaneous intervention; Congestive Heart Failure; Myocarditis; Endocarditis; Endothelial Dysfunction; Cardiomyopathy
<u><b>Endocrine Disease</b></u>	Diabetes Mellitus I and II; Thyroiditis; Addisson's Disease
<u><b>Infectious Disease</b></u>	Hepatitis A, B, C, D, E; Malaria; Tuberculosis; HIV; Pneumocystis Carinii; Giardia; Toxoplasmosis; Lyme Disease; Rocky Mountain Spotted Fever; Cytomegalovirus; Epstein Barr Virus; Herpes Simplex Virus; Clostridium Dificile Colitis; Meningitis (all organisms); Pneumonia (all organisms); Urinary Tract Infection (all organisms); Infectious Diarrhea (all organisms)
<u><b>Angiogenesis</b></u>	Pathologic angiogenesis; Physiologic angiogenesis; Treatment induced angiogenesis
<u><b>Inflammatory/Rheumatic Disease</b></u>	Rheumatoid Arthritis; Systemic Lupus Erythematosus; Sjogrens Disease; CREST syndrome; Scleroderma; Ankylosing Spondylitis; Crohn's; Ulcerative Colitis; Primary Sclerosing Cholangitis; Appendicitis; Diverticulitis; Primary Biliary Sclerosis; Wegener's Granulomatosis; Polyarteritis nodosa; Whipple's Disease; Psoriasis; Microscopic Polyarthritis; Takayasu's Disease; Kawasaki's Disease; Autoimmune hepatitis; Asthma; Churg-Strauss Disease; Beurer's Disease; Raynaud's Disease; Cholecystitis; Sarcoidosis; Asbestosis; Pneumoconioses
<u><b>Transplant Rejection</b></u>	Heart; Lung; Liver; Pancreas; Bowel; Bone Marrow; Stem Cell; Graft versus host disease; Transplant vasculopathy
<u><b>Leukemia and Lymphoma</b></u>	

**FIG. 28. (TABLE 1)**